

Skin Ellipse Excision

Lesson plan overview

Time: 09:00 – 12:00 **Population: 8 MBBS medical students** Facilitator: A suitable medical professional Venue: A suitable clinical teaching classroom

Lesson aim

By the end of the session, students should be able to competently perform an ellipse excision

Lesson design overview:

- 1. Use of constructive alignment to focus on aligning LOs to teaching and assessment activities [1]
- 2. Formation of LOs using Bloom's cognitive domain [2]
- 3. Lesson plan guided by Gagne's 9 events [3] alongside Peyton's 4 step approach [4]

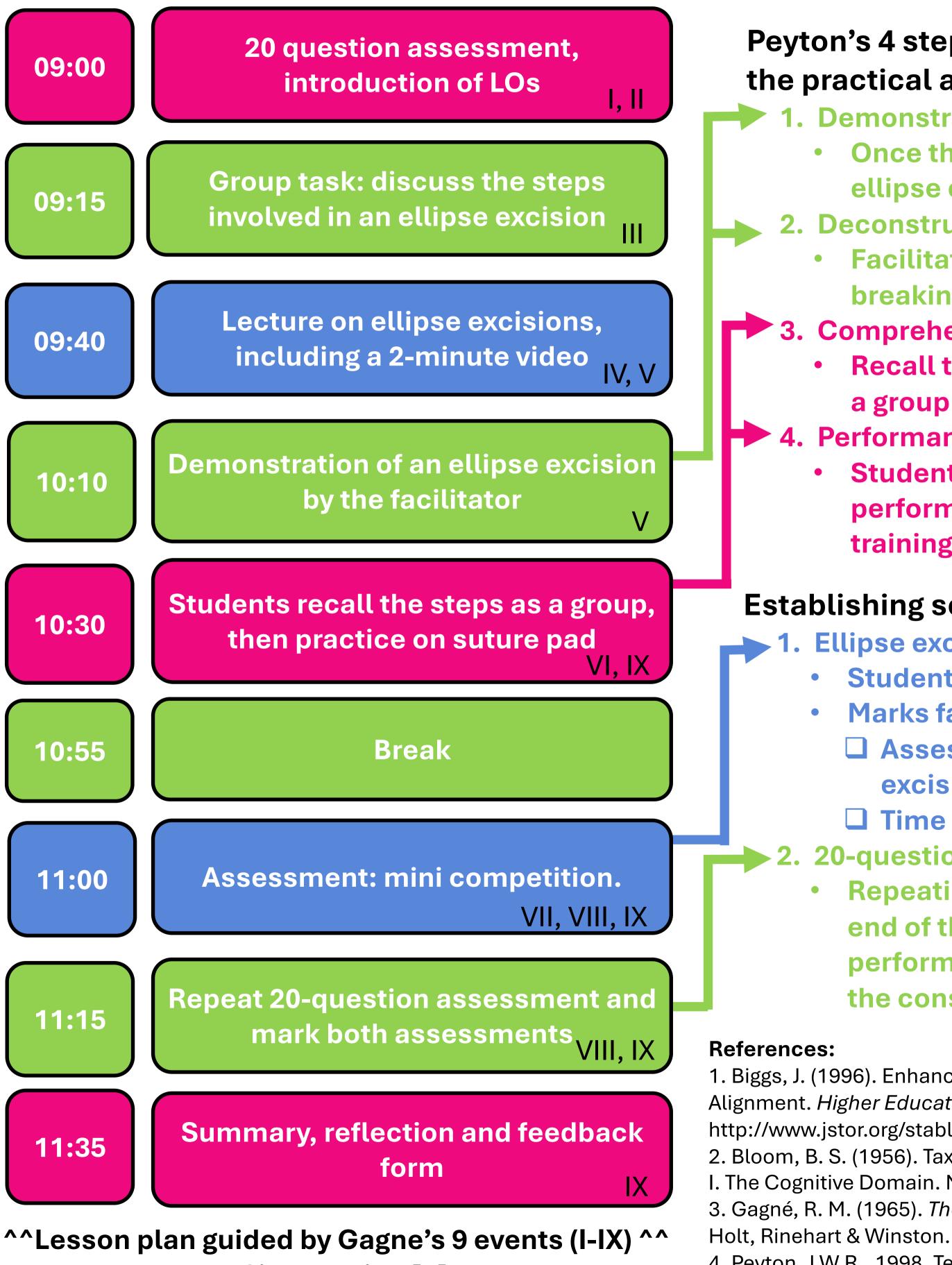
Learning Outcomes (LOs):

- Learn the steps involved in an ellipse excision
- **Define the terms ellipse excision and tension free** 2. closure
- Identify the reasons for requiring an elliptical 3. excision to be performed
- Understand and perform the steps involved in an 4. ellipse excision
- **Describe the complications of eclipse excisions** 5.
- **Differentiate between an ellipse excision and other** 6. common excisions

Resources:

- Computer
- **PowerPoint**
- Interactive whiteboard
- Whiteboard pens
- Speaker
- **16x Question papers**
- 8x Pens

- 8x Whiteboard pens
- 8x Surgical skin markers
- **8x Toothed forceps** •
- **8x Training suture pads**
- 8x Pairs of gloves
- 8x Scalpels
- 1x Stopwatch
- **8x Feedback forms**



of instruction [4]





Peyton's 4 step approach integrated within the practical aspect of the lesson plan [4]:

1. Demonstration

Once through demonstration of the ellipse excision steps at normal pace 2. Deconstruction

Facilitator repeats demonstration,

breaking down & explaining each step **3.** Comprehension

> **Recall the steps of ellipse excision as** a group

Performance

Students should individually practice performing an ellipse excision on the training suture pad

Establishing session effectiveness:

Ellipse excision competition Students compete head-to-head Marks fall into 2 parts:

Assessment of performance of ellipse excision steps (judged by facilitator) **Time taken to complete procedure**

2. 20-question assessment

Repeating identical assessment at the end of the lesson assesses students' performance [4] and the effectiveness of the constructive alignment framework [1]

1. Biggs, J. (1996). Enhancing Teaching through Constructive

Alignment. Higher Education, 32(3), 347-364.

http://www.jstor.org/stable/3448076

2. Bloom, B. S. (1956). Taxonomy of Educational Objectives, Handbook I. The Cognitive Domain. New York: David McKay Co Inc.

3. Gagné, R. M. (1965). *The conditions of learning* (1st ed.). New York:

4. Peyton, J.W.R., 1998. Teaching in theatre. Teaching and learning in medical practice. *Manticore*, pp.171-180.

Table 1: Lesson Plan, guided by Gagne's (1965) nine events of instruction with incorporation of Peyton's (1998) four step approach into the practical part

Time	Resources	Student Activity
09:00 – 09:10	 Computer Interactive whiteboard PowerPoint 8x question sheets 8x pens 	 Give students 10 min assessment Collect the sheets in ensure they have wr paper
00.15 00.40	 Computer Interactive whiteboard PowerPoint 	 Introduction to the le Give students the op clarify any terminolo understand Allow them to write of appropriate
09:15-09:40	 Computer Interactive whiteboard PowerPoint Whiteboard pens 	 Group discussion – ellipse excision
09:40-10:00	 Computer Interactive whiteboard PowerPoint 	 Students should list 'Ellipse Excisions' de Students may take n and understanding
10:00-10:10	 Computer Interactive whiteboard Speakers 	 Watch the video 'Sur Skin Lesion ' Encourage students questions when play
10:10 – 10:30	 1x surgical skin marker 1x training suture pad 1x scalpel 1x toothed forceps 1x pair of gloves 	 Watch the facilitator excision
10:30 – 10:35	 Computer Interactive whiteboard PowerPoint 	 Ask students to reca group

References:

Gagné, R. M. (1965). *The conditions of learning* (1st ed.). New York: Holt, Rinehart & Winston. Peyton, J.W.R. (1998). Teaching in theatre. Teaching and learning in medical practice. Manticore, pp.171-180. TeachMeSurgery (2015). Surgical Skills - Elliptical Incision of a Skin Lesion. (Accessed 14/07/2024). Available at: https://www.youtube.com/watch?v=vu5CZWd5dsw

	Facilitator notes			
nutes to complete the 20-question	 Have the PowerPoint open of facts as students are entering 			
n once the students have finished, ritten their name on the back if the	 This aims to gain attention prespecially with the strict time. Hand out the question shee students enter the teaching knowledge but mainly quest through theory teaching. 			
esson aim and LOs pportunity to raise their hand and ogy within the LOs that they do not down the LOs if they feel this is	 Introduce the aim of the less 			
discuss the steps involved in an	 Aim of this activity is to esta 			

	 Allow 15 minutes for a whole Allow students to write their whiteboard
ten to the 20-minute lecture on elivered by the facilitator notes if this facilitates their learning	 Deliver the PowerPoint pressovers all LOs Ensure students understant Important to keep to the timestudents' attention and pressovers
rgical Skills - Elliptical Incision of a s to put their hand up and ask ying the video for the 2 nd time	 YouTube video, by TeachMe <u>https://www.youtube.com/v</u> (TeachMeSurgery, 2015) Play the video through twice initially without any pauses pause the video if students
r demonstrate the steps of an ellipse	 When demonstrating an ellidemonstration of each of the Then repeat the demonstration step
all the steps of an ellipse excision as a	 This is to test students under retention of information After, display a summary slistudents to see how much the students to see how much the s

on the whiteboard displaying skin excision ing classroom promptly so lesson can to schedule, ne schedule et with the 20-question assessment before groom. This comprises of some previous stions relating to the lesson LOs delivered

sson and the LOs to the students

ablish the students baseline knowledge ssion in pairs le class discussion r thoughts and ideas on the interactive

sentation on 'Ellipse Excisions' – this

id all new terminology me limit of 20 minutes to maintain event lapse of concentration

eSurgery: watch?v=vu5CZWd5dsw

e. Play the video all the way through . On watching the video for the 2nd time, want to ask questions lipse excision, do a once through he steps at normal pace. ation, breaking down and explaining each

erstanding of the demonstration and

ide of the steps on the PowerPoint, allow they could recall, give feedback

Table 1: Lesson Plan, guided by Gagne's (1965) nine events of instruction with incorporation of Peyton's (1998) four step approach into the practical part

Time	Resources	Student Activity	Facilitator notes
10:35 – 10:55	 8x surgical skin markers 8x training suture pads 8x scalpels 8x toothed forceps 8x pairs of gloves Computer Interactive whiteboard PowerPoint 	Students should now individually practice performing an ellipse excision on the suture pad	 Give 1 suture pad per studer opportunity Observe each student and g Slide showing a summary of on whiteboard display for student st
10:55 – 11:00		 Break 	
11:00 – 11:15	 8x surgical skin markers 8x training suture pads 8x scalpels 8x toothed forceps 8x pairs of gloves Stopwatch 	 Students should compete head-to-head in a mini competition, assessing the best performance of an ellipse excision 	 Students should compete he Allocate 10 minutes for the r Allow for 5 minutes to give the each individual brief feedbace Marks for the mini competiting performance and technique the student to perform an elusing a stopwatch)
11:15 – 11:35	 Computer Interactive whiteboard PowerPoint 8x question sheets 8x pens 	 Get students to repeat the 20-question assessment Students should then self-mark both copies of their assessments Students should compare their pre-lesson score to their post-lesson score and reflect on what they have learnt 	 Give the students 10 minute Repeating the identical asserted retention of knowledge Then hand back the same as Get students to self-mark boot the facilitator gives the answer
11:35-11:45	 Computer Interactive whiteboard PowerPoint 	Summary and review of LOs	 Summarise key learning point Ask the students to explain explain explained
11:45- 11:55		 Student reflection and Q&A session 	 Students should share with the lesson; it cannot be the s Allow time for students to as
11:55 – 12:00	 8x feedback forms 8x pens 	 Students should be encouraged to fill out the feedback form 	 Hand out the feedback form Questions have been design lesson Give students the opportuni

Gagné, R. M. (1965). The conditions of learning (1st ed.). New York: Holt, Rinehart & Winston. Peyton, J.W.R. (1998). Teaching in theatre. Teaching and learning in medical practice. *Manticore*, pp.171-180.

ent to give allow for maximal learning

give individual feedback of the ellipse excision steps should be left tudents to refer to

head-to-head against each other

- mini competition
- the results from the competition and give ack
- tion fall into 2 parts; assessment of
- e (judged by facilitator), and time taken for
- llipse excision from start to finish (timed

tes to repeat the 20-question assessment sessment at the end assesses students'

assessment from the start of the lesson both copies of their assessments whilst swers alongside explanations for each

oints of the lesson and review LOs each LO as a group to test learning and

h the group one thing they have learnt from e same as anyone else ask any questions that they may still have

n and pens for students to complete ned to assess the effectiveness of the

nity to provide verbal feedback too